

**California Department of Transportation
Storm Water Management Program
Regional Work Plan
San Diego Region 9**

**Fiscal Year
2006-2007**

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**California Department of Transportation
Division of Environmental Analysis
Storm Water Management Program
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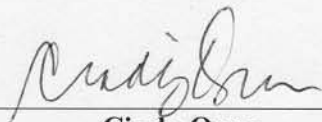
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**California Department of Transportation
District 12 Certification**

Regional Work Plan 2006-2007

**California Regional Water Quality Control Board
San Diego Region 9**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]

CB 

Cindy Quon
District 12

3-15-06

Date

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1.0 INTRODUCTION

General Information about this Regional Work Plan (RWP)

The Regional Work Plan (RWP) provides region-specific information for District 12, Region 9's water bodies, Best Management Practices (BMPs), and monitoring programs. The purpose of the RWP is to describe how the California Department of Transportation (Department) will specifically implement the Statewide Storm Water Management Program (SWMP) within the jurisdiction of each Regional Water Quality Control Board (RWQCB) during Fiscal Year 2006-2007 as required by the *Department Statewide Storm Water NPDES Permit – Order No. 99-06-DWQ* (Permit). Implementation activities will be conducted in accordance with the procedures presented in the SWMP. The RWP indicates how District storm water management practices will be modified to improve water quality protection based on evaluation of the previous studies and management activities.

Goals and Commitments

District 12 will continue to train its Design, Construction, Permits, and Maintenance staff on storm water issues by conducting tailgate meetings and formal classes on specific storm water management strategies and activities. New training for engineering staff will include the principles of designing treatment BMPs. The District continues to implement its storm water program for all Divisions. The District NPDES Storm Water Coordinator evaluates projects on a regular basis to ensure that measures required by the SWMP are effectively implemented. Adjustments will be developed and implemented as the evaluation results identify.

Major Changes

As necessary, the District will evaluate what changes should be made to the District's Departments to improve implementation of the SWMP. Major upcoming changes will include compliance with the requirements of the new Department NPDES permit and revised SWMP, which is currently under negotiation with the State Water Resources Control Board (SWRCB).

Documentation

As necessary, the District will evaluate what changes should be made to the District's documents to improve communication and reporting accuracy. Internal storm water documentation may be updated to reflect the changes

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2.0 DEPARTMENT PERSONNEL AND RESPONSIBILITIES

District Storm Water Coordinator

Under the general direction of the District Office Chief of Environmental Planning, the DSWC is responsible for developing District storm water quality policies and guidance, and daily management of the District's storm water quality program. The DSWC is responsible for identifying issues and developing recommendations related to storm water quality, regulated wastes, and other environmental issues that affect the District. The DSWC supervises staff, which supports and executes activities of the DSWC and the Storm Water Program. The specific storm water tasks for which the DSWC is responsible include the following:

- Provide guidance and direction for the preparation, development, and implementation of a comprehensive District Storm Water Program, as described in the RWP.
- Oversight of activities related to notification procedures for reuse of soil containing lead in accordance with variances issued by the Department of Toxic Substances Control (DTSC).
- Ensure accuracy and adequacy of the storm water workload allocations for each fiscal year.
- Coordinate and track resource distributions, workloads, and projects within the District.
- Assist the District functional units in prioritizing, monitoring, tracking, and evaluating storm water resources, activities, and operations.
- Implement a quality assurance and quality control program for monitoring the activities of the District functional units, in order to ensure that the conditions of the Permit, SWMP, and RWP are implemented properly.
- Provide guidance and direction necessary to develop strategies for addressing regulations and mandates on storm water and waste discharges set forth by federal, state, and local regulatory agencies.
- Work as the primary liaison, "single point of contact," on storm water and waste discharge issues between the District and Headquarters, the Regional Water Quality Control Boards, U.S. Environmental Protection Agency, and other agencies.
- Represent the District at the Storm Water Advisory Teams (SWATs) identified in the SWMP.
- Monitor and evaluate the storm water activities and procedures of municipalities, developers, and other agencies.
- Arbitrate disputes and disagreements on policies, activities, assignments, and responsibilities regarding storm water issues.

- Establishes impartial and equitable decisions that benefit the Department in attaining the objectives of the Storm Water Program.
- Work as leader and chairperson of the District NPDES Coordination Team

NPDES Storm Water Unit

Under the direction of the DSWC, the NPDES Unit provides technical support to District staff for water quality issues. The specific storm water tasks for which the NPDES Storm Water Unit is responsible include the following:

- Evaluation and recommendation of permanent control and treatment measures for addressing project storm water impacts.
- Identification of costs related to water pollution control, non-storm water discharges, and waste management on programming documents.
- Development of new specifications, details, and guidance materials related to non-storm water discharges and waste management.
- Preparation of contract specifications and estimates to address development of Storm Water Pollution Prevention Plans (SWPPPs).
- Preparation of contract plans, specifications, and estimates (PS&E) to address temporary controls for non-storm water discharges and waste management activities.
- Preparation or aid in the preparation of the contract PS&E for inclusion of permanent control measures to improve or minimize water quality impacts.
- Preparation of the report for Notification of Construction.
- Assistance to the District Permits Branch in evaluating water quality impacts and requirements of encroachment permit applications.

Environmental Liaison

The Environmental Liaison (EL) is responsible for communicating with the DSWC for the proper implementation of the environmental portion of the SWMP and RWP. The EL ensures that the staff supports and properly executes the activities defined in the SWMP and RWP, especially those responsibilities attributed to the EL Coordinator. The specific storm water tasks for which the EL Coordinator is responsible include the following:

- Determination and evaluation of storm water impacts during California Environmental Quality Act and/or National Environmental Policy Act (CEQA/NEPA) screening.
- Provide Water Quality Technical Reports as determined by the Environmental Document
- The Environmental Liaison reports all storm water related environmental activities to the District NPDES Coordination Team

Maintenance Coordinator

The Maintenance Coordinator is responsible for communicating with the DDC of Maintenance and the DSWC regarding the proper implementation of maintenance related sections of the SWMP and RWP. The Maintenance Coordinator reports all storm water related maintenance activities to the District NPDES Coordination team and coordinates storm water training for maintenance staff as well as overseeing inspection of maintenance facilities and operations relative to Permit compliance. The Maintenance Coordinator serves as the conduit for information between the District NPDES Coordination Team and maintenance offices, as well as the Headquarters Maintenance Program (esp. Maintenance SWAT identified in the SWMP).

Construction Coordinator

Under the general direction of the Division of Construction, the Construction Storm Water Coordinator (CSWC) is responsible for developing storm water quality policies and guidance, and daily management of Construction's storm water quality program. The CSWC is responsible for the proper implementation of the SWMP and the RWP within Construction. The CSWC supervises staff, which implements the program requirements in the field during the construction phase. The specific tasks for which the CSWC will be responsible include:

- Work as the primary point of contact for storm water issues during the construction phase and report this information to the DSWC.
- Develop and administer storm water training for Construction staff.
- Review Storm Water Pollution Prevention Plans (SWPPP).
- Track critical compliance milestones that occur before and during the course of construction.
- Conduct final project closeout inspections.
- Submit the Notice of Completions for SWPPP projects
- Submit approved SWPPPs to the RWQCBs as requested.
- Submit reports to the RWQCBs as requested.
- Provide oversight inspections for SWPPP projects.
- Prepare and submit Threat of Discharge reports.
- Prepare and submit Illicit Connection/Discharge Reports for Construction
- Represent Construction in the District's NPDES Coordination Team Meetings.
- Provide input to the Annual Report.
- Participate on the Construction SWAT defined in the SWMP

The CSWC ensures that all enforcement actions or corrections requested by the Regional Boards are promptly implemented, and documented. The CSWC serves as the primary

conduit for information during the construction phase, Headquarters Construction, and construction field staff.

Right-of-Way Liaison

The Right of Way Liaison for the District NPDES Coordination Team is responsible to:

- Attend all District NPDES Coordination Team meetings to report on Right of Way activities.
- Ensure that storm water training is available to Right of Way Agents tasked with property inspection responsibilities.
- Ensure that regular property inspections include storm water inspections.
- Maintain documentation of the inspection findings and corrective actions.
- Prepare a summary of completed storm water property inspections for use in Annual Reports.
- Disseminate information and answer questions regarding Department storm water policy to all Right of Way staff involved in storm water inspections.
- Notify the DSWC of discharges or situations that appear to be in gross violation of Department' Permit, SWMP, or RWP.
- Report instances where Right of Way may conduct construction activities that require the development of a SWPPP and related notification.

Engineering Services (Hydraulics) Representative

The Hydraulics Representative (HR) is a member of the District NPDES Coordination Team and is responsible for providing information on permanent control measures, except those related to erosion control, that are being planned, designed, and implemented in projects. The HR ensures that the management and staff of the Hydraulics Branch are knowledgeable of the RWP and various water pollution control efforts and commitments for minimizing or preventing pollutants from being present in discharges. The HR ensures that the design processes utilized by the Hydraulics Branch are consistent with the RWP and the SWMP, especially those processes related to the evaluation, selection, and design of permanent control and treatment control measures.

Permits Coordinator

The Permits Coordinator is a member of the District NPDES Coordination Team and is responsible for ensuring that the District Office of Permits complies with the Permit, SWMP, and RWP. The Office of Permits is responsible for issuing permits to local agencies, utility companies, and others (i.e. film production companies, marathon sponsors, etc.) that desire to encroach into the Department's right-of-way for conducting construction, maintenance, or other activities consistent with their organization. The Permits Coordinator ensures that all permits issued to those encroaching into the Department's right of way comply with the Permit in a manner that is consistent with what is required of Maintenance, Construction, and Design.

In compliance with Permit Section M.10.b, the following individuals/positions listed in Table 2–2 are authorized to sign the documents, reports, and other information submitted by the District to either the SWRCB or the RWQCB(s). These individuals/positions may delegate authorization to their staff to sign various documents and reports required for implementation of the Storm Water Program.

Portions of Caltrans District 12 fall within the jurisdiction of the San Diego Regional Water Quality Control Board (RWQCB). An organizational chart for the San Diego Region's Storm Water responsibilities is shown in Figure 2–1. Staff members responsible for implementing the SWMP within the RWQCB jurisdiction are listed in Table 2–1. Delegation of signatory authority for key Permit/SWMP required documents is included in Table 2–2.

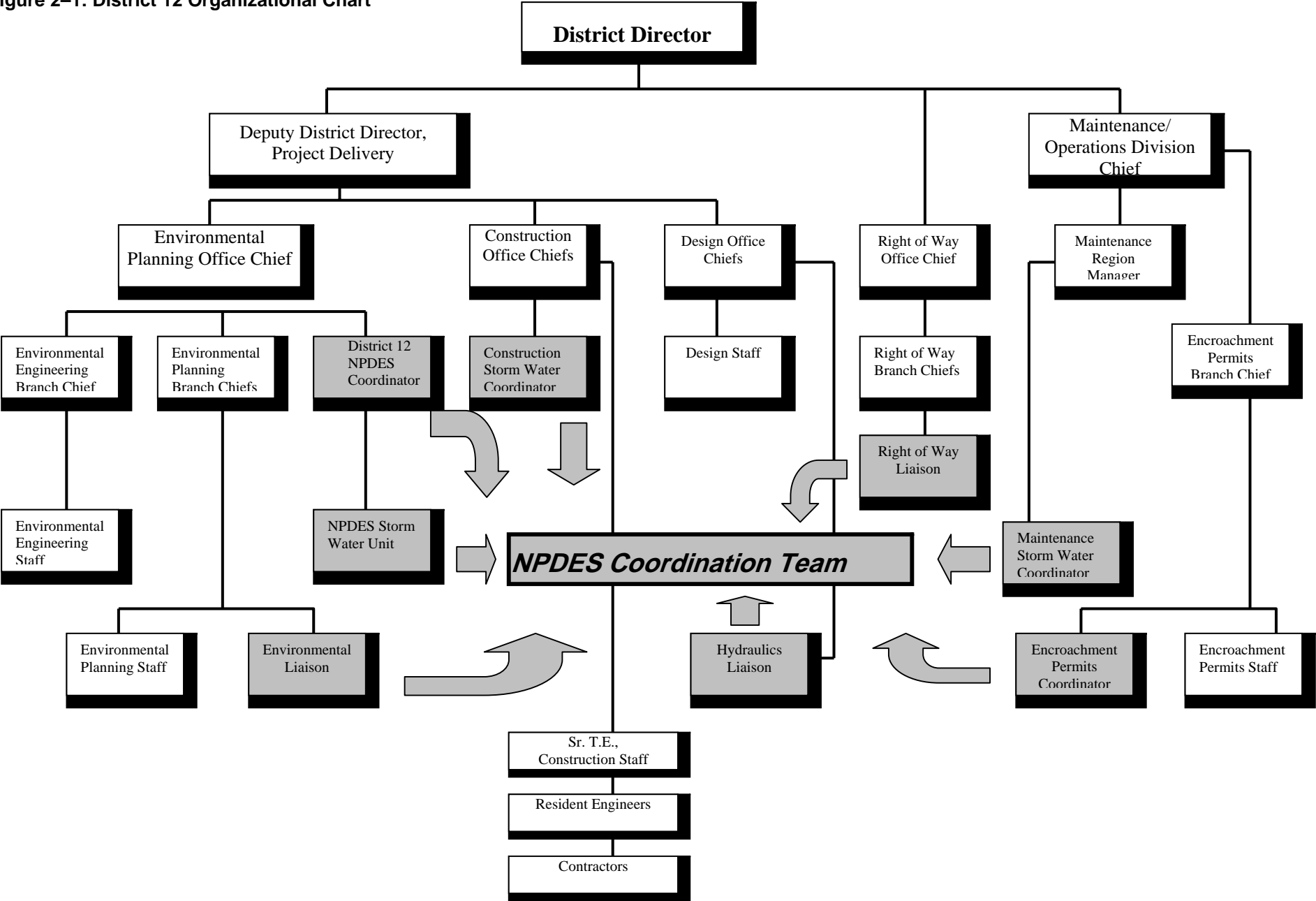
Table 2–1: District 12 Department Storm Water Personnel and Responsibilities

Staff Name	Title	Phone No.	Responsibility
Grace Piña-Garrett	District NPDES/ Storm Water Coordinator	(949) 724-2189	Primary contact for all District NPDES/storm water issues. Oversees the District NPDES/ Storm Water Unit and coordinates with the other NPDES/ Storm Water functional units within the District.
Hector Salas	Environmental Specialist	(949) 724-2625	Under the Direction of the District NPDES/ Storm Water Coordinator, the Environmental Specialist ensures NPDES Permit compliance from all functional units. Contacts and submits all information to RWQCB
Behrooz Pirzadeh	Construction Storm Water Coordinator	(714) 558-4402	Review and Approve SWPPP/ WPCP Documents. Liaison between field Construction and District NPDES/ Storm Water Coordinator
Carol Lonebear	Maintenance Storm Water Coordinator	(949) 440-4461	Liaison between Maintenance field crews and District NPDES/ Storm Water Coordinator. Inspects Maintenance facilities and provides training to Maintenance field personnel.
Ryan Hansen	Environmental Liaison	(949) 724-2014	Environmental Liaison to the District NPDES/ Storm Water Coordinator. Reviews projects in the planning and environmental document phase. Prepares Technical Water Quality Documents for Caltrans projects.
John Jalali	Permits Coordinator	(949) 724-2266	Permits Liaison to the District NPDES/ Storm Water Coordinator. Reviews SWPPPs/WPCPs and conducts routine project inspections for Encroachment Permits.
Daniel Hing	Right of Way Liaison	(949) 724-2145	Conducts Airspace Lease Inspections for Water Quality

Table 2–2: District 12 Signatory Authority for Key Documents

Position or Individual	Phone No.	Documents Authorized for Signatures
Cindy Quon	(949) 724-2007	All District Documents
Sylvia Vega	(949) 724-2018	All District Documents except Regional Work Plan
Grace Piña-Garrett	(949) 724-2189	All District Documents except Regional Work Plan
Behrooz Pirzadeh	(714) 558-4402	SWPPP, Notice of Construction (NOC), Notice of Construction Completion (NCC), Notice and Report of Non-Compliance, Discharge or threat of Discharge Notification
Carol Lonebear	(949) 440-4461	Facility Pollution Prevention Plans (FPPP)

Figure 2-1: District 12 Organizational Chart



3.0 DISTRICT FACILITIES AND WATER BODIES

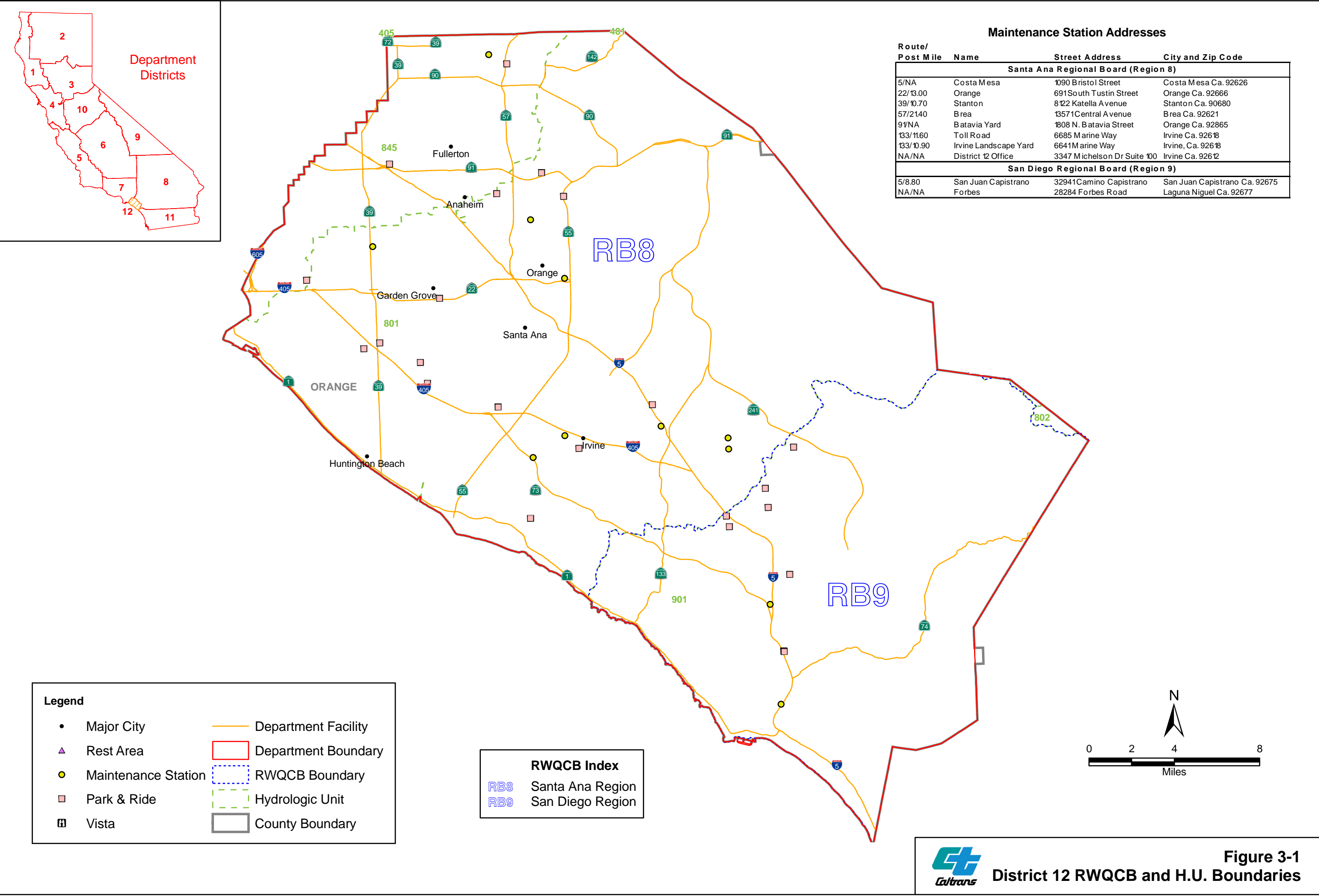
This section identifies Department facilities and water bodies within each District and Regional Board jurisdiction. A list of Department facilities, excluding roadways, is presented in Table 3–1. Maps showing the District boundaries, major roads and highways within the San Diego RWQCB jurisdiction are presented in the accompanying Figure 3–1.

Table 3–1: District 12 Facilities

CO	Route	PM	Name	Comments
Maintenance Stations				
Orange	5	8.8	San Juan Capistrano	Highway Maintenance
Orange	5	8.8	San Juan Capistrano	Landscape Maintenance
Orange	5	13.7	Forbes	Landscape Maintenance
Commercial Vehicle Enforcement Facilities				
NONE				
Park and Ride Facilities				
Orange	5	10.9	Junipero Serra	SE Corner of Junipero Serra & I-5 in San Juan Capistrano
Toll Road and Bridge Plazas				
Orange	73	18.7	Catalina	Toll Plaza

Lists and maps of the Department of Water Resource Hydrologic Units located within the coverage area are presented in Appendix A of the SWMP.

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4.0 HIGH-RISK AREAS

This section describes and identifies locations where spills from the Department's owned ROW, activities, roadways, or facilities can discharge directly to a municipal or domestic water supply reservoir or a ground water recharge (percolation) facility. Projects that potentially drain to these areas consider project features that enhance spill response.

A list of high-risk areas within District 12 is presented in Table 4–1. High-risk areas (defined in the Section E.2 of the Permit) are areas such as locations where spills from Department owned right-of-ways, activities, or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. Additional sites may be added to the high-risk list based on discussion between the RWQCB and Department. The Permit requires consideration of appropriate spill containment and spill prevention control measures for these areas.

In order to generate the list of high-risk municipal and domestic water supply reservoirs and ground water percolation facilities, the Department first contacted known public and private water supply providers. From the information received, the Department determined which facilities were susceptible to a direct spill from a Department activity or facility. This determination was based on proximity between the water body and the Department's facility, use characteristics of the facility, and the probable spill response time.

The Department will consider and implement spill containment and prevention control measures in accordance with the processes contained in the SWMP including Section 3 for BMP identification and implementation, Section 4.4.1 for new construction projects or Section 4.4.2 for retrofit projects that are within these areas.

Goals and Commitments

The District is committed to maintaining the quality of water within its jurisdiction, as it has been since the inception of the program. In the event that any water quality concerns are detected in the future, goals and commitments will be developed and implemented to address those issues.

Coordination and Partnerships

As required by the SWMP and Permit, the District coordinates regularly with agencies, partners, local interested parties, and San Diego RWQCB staff to accomplish its storm water management goals. If future issues require, the District will coordinate with groups or agencies to implement BMPs wherever possible.

Documents and Reports

As necessary, the District will evaluate what changes should be made to the District's existing documents and/or guidance on storm water activities and tasks to improve implementation of the SWMP. Major upcoming changes to documents and reports will comply with the requirements of the new Permit and new SWMP, which is currently under development.

Educational Efforts

The District continues to conduct training classes, as needed, to train District staff and contractors on the use of BMPs to comply with SWMP requirements and to address how certain projects might potentially impact high-risk areas. The District will evaluate what training or educational sessions may be helpful in educating District staff about the special issues high-risk areas present and how to address them according to the requirements of the SWMP and Permit.

Table 4–1: District 12 High-Risk Areas

Road Segment/ Facility	County	High-Risk Area	Description	Comments
NONE				

5.0 IMPLEMENTATION ACTIVITIES

This section presents specific project work planned for the year and indicates BMP implementation improvements. The anticipated schedule of construction and maintenance activities is subject to change. Department will discuss with the RWQCBs new projects meeting the criteria listed below when ground disturbance takes place or when significant maintenance activities are initiated during the year. These projects are updates to the RWP provided each April. Table 5–1 includes a list of construction projects that meet one or more of the following criteria:

- The project involves greater than 5 acres of land disturbance, designated as “DSA”;
- The project affects a 303(d) listed water body within the project limits, designated as “303d”;
- The project requires a 401 Water Quality Certification or Waiver, designated as “401”;
- The project is a Supplemental Environmental Project (water quality project negotiated by the RWQCB and the Department) designated as “SEP”;
- The project is a storm water retrofit project (SWMP Section 4.4.2), designated as “Retro”;
- The project includes Lahontan Regional Water Quality Control Board specific requirements for the Lake Tahoe Hydrologic Unit, designated as “LT”;
- The project limits are within a “High Risk Area,” designated as “HR”; and
- The project is designated by a RWQCB as posing a potential threat to water quality, designated as “RB.”

The information presented in Table 5–1 is intended to facilitate early RWQCB staff input in the project-planning phase in accordance with Section L.8 of the Permit and Section 4.4 of the SWMP. The goal is to resolve water quality issues that may affect project funding, permitting, and scheduling. In addition, projects that require RWQCB review and approval of project SWPPPs/WPCPs in accordance with Sections H.8 and L.8 of the Permit are also covered in Table 5–1.

Table 5–2 presents a list of anticipated significant maintenance projects that have the potential to impact water quality; it provides early notification of such activities. It also includes region-specific issues and BMP actions/modifications based on program evaluations discussed in current and/or past Annual Report(s). Department DNCs or Maintenance Storm Water Coordinators will coordinate with the appropriate RWQCBs to discuss maintenance activities listed in the RWP.

Table 5–3 summarizes various program management activities that are part of the storm water pollution prevention program.

Goals and Commitments

The District continues to track and ensure storm water compliance in Department projects. Projects are reviewed to ensure implementation of storm water treatment controls and erosion control practices are being considered at each phase of the project.

Coordination and Partnerships

As required by the SWMP and Permit, the District coordinates regularly with agencies, partners, local interested parties, and RWQCB staff to accomplish its storm water management goals. If future issues require, the District will coordinate with groups or agencies to implement BMPs wherever possible.

Documents and Reports

As necessary, the District will evaluate what changes should be made to the District's existing documents and assess the need for new documents (such as manuals and guidance) that should be developed to improve implementation activities. Major upcoming changes to documents and reports will comply with the requirements of the new Permit and new SWMP, which is currently under development.

Educational Efforts

The District will evaluate what training or educational sessions may be helpful in educating District staff about implementation activities and how to address them according to the requirements of the SWMP and Permit.

Table 5–1: District 12 Anticipated Project Development/Construction Schedule

No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted by Project	Land Disturbance Acreage	Criteria**	Anticipated Project Delivery Schedule		Construction Period	
											PA&ED Date	PS&E Date	Start Date	Completion Date
1	C	089900	ORA	1	5.3		DRAINAGE IMPROVEMENTS IN LAGUNA BCH FR 10TH AV TO 9TH AV	Aliso Creek		DSA	1/1/06	10/1/06	4/1/07	4/1/08
2	C	0C0700	ORA	1	0.2		INSTALL CONTRETE MEDIAN BARRIER ANDUPGRADE BRIDGE RAIL IN DANA POINT FROM I-5 UC TO SAN JUAN CREEK BRIDGE	San Juan Creek		303d	2/10/05	10/21/05	4/1/06	4/1/07
3	B	0E7000	ORA	1	1		WIDENING OF THE BRIDGE SIDEWALK ATDOHENY STATE PARK DANA POINT SAN JUAN CREEK BRIDGE	San Juan Creek		303d	2/1/07	10/1/07	4/1/08	4/1/09
4	A	09520K	ORA	5	14.8		REPAIR OSO CHANNEL IN LGNB ON SB 5 AT OSO CREEK 0.2MILE SOUTH OF OSO PARKWAY	Oso Creek		DSA,	7/1/07	11/1/08	7/1/09	7/1/10
5	B	09800K	ORA	5	18.1		RELOCATE S.B. I-5 ON & OFF RAMPSREALIGN FRONTAGE RD INSTALL SIGNALSDRAINAGE LANDSCAPE & R/W IN LAGUNA HILLS S.B.ON & OFF RAMPSEL TORO RD P.M.18.7 AVENIDA DECARLOTA RAMP RELOCATION	Aliso Creek		DSA	1/1/04	8/1/06	5/1/07	5/1/09
6	B	0A070K	ORA	5	16.5		RECONSTRUCT UNDERCROSSING AT LA PAZRD AND WIDEN SB OFF RAMP IN LAGUNA HILLS AND MISSION VIEJOON I-5 AT LA PAZ RD	Aliso Creek		DSA	7/1/05	4/1/07	1/1/08	1/1/10
7	D	0A260K	ORA	5	8.9		SCOUR MITIGATION "IN SAN JUAN CAPISTRANO, SAN JUAN"CREEK BRIDGE (#55-0228)	San Juan Creek		DSA, 303d	5/1/01	12/1/02	9/1/03	9/1/04

Table 5-1: District 12 Anticipated Project Development/Construction Schedule

No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted by Project	Land Disturbance Acreage	Criteria**	Anticipated Project Delivery Schedule		Construction Period	
											PA&ED Date	PS&E Date	Start Date	Completion Date
8	D	0A3901	ORA	5	7.3		REALIGN RAMP AND EXTEND RAMP METERLIMITS IN SAN JUAN CAPISTRANO NR CAMINOCAPISTRANO N/B ON-RAMP	Trabuco Creek		DSA	2/9/01	4/1/05	11/18/05	1/1/07
9	C	0C8600	ORA	5	4.4		HWY PLANTING RESTORATION IN SAN CLEMENTE FROM AVENIDA VISTAHERMOSA OC/CAMINO DE ESTRELLA	San Juan Creek		DSA	12/1/04	12/1/05	8/1/06	8/1/10
10	B	0C8800	ORA	5	1.6		HIGHWAY PLANTING RESTORATION IN SAN CLEMENTE FROM EL CAMINO REALUC TO 0.3 KP N OF AVENIDA PICO UC	Prima Deshecha, Segunda Deshecha Creek		DSA	1/1/05	1/1/06	7/1/06	12/1/09
11	B	0E0700	ORA	5	15.1		"WIDEN NB OSO PKWY LOOP, SB OFFRAMP"AND ADD AUX LN FROM LA PAZ TO OSO IN MISSION VIEJO SB OSO PKWY OFFRAMP	Oso Creek		DSA	7/25/05	5/1/07	2/1/08	8/1/09
12	B	0E5700	ORA	5	8.4		RECONSTRUCT OFF RAMP ADD 2 LEFTTURN LANES SOUTH BOUND IN SAN JUAN CAPISTRANO I-5	San Juan Creek		DSA	7/1/06	5/1/08	2/1/09	2/1/11
13	B	0E6000	ORA	5	1.1		WIDENING ON-RAMP IN SAN CLEMENT MENDOCINO AVE RTE 5NORTHBOUND ON-RAMP	Prima Deshecha, Segunda Deshecha Creek		DSA	7/1/02	5/1/07	2/1/08	2/1/09
14	D	0E6200	ORA	5	16.8		EXTEND 1 AUXILIARY LANE FROM ALICIAOFF RAMP TO ALICIA ON-RAMP IN LAGUNA HILLS ALISO VIEJO	Oso Creek		DSA	7/1/04	5/1/05	2/1/06	2/1/07

Table 5–1: District 12 Anticipated Project Development/Construction Schedule

No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted by Project	Land Disturbance Acreage	Criteria**	Anticipated Project Delivery Schedule		Construction Period	
											PA&ED Date	PS&E Date	Start Date	Completion Date
15	C	0E7401	ORA	5	3.4		WIDEN SB I-5 PICO OFF RAMP TO TWO LANES, CONSTRUCT RETAINING WALL IN SAN CLEMENTE SB RTE 5 AVENIDAPICO OFF RAMP BETWN PICO & VISTA HERMOSA	Prima Deshecha, Segunda Deshecha Creek		DSA	6/30/03	5/1/04	12/1/06	11/1/07
16	A	0F060K	ORA	5	5.6		WIDEN S/B OFF-RAMP AND BRIDGE OC@ CAMINO DE ESTRELLA IN SAN CLEMENTE & DANA POINT	San Juan Creek		DSA, 303d	7/1/07	12/1/08	8/1/09	5/1/11
17	D	0F5101	ORA	5	8.9		SCOUR MITIGATION "IN SAN JUAN CAPISTRANO, SAN JUAN" CREEK BRIDGE (#55-0228)	San Juan Creek		DSA, 303d	2/1/03	3/1/06	8/1/06	5/1/07
18	A	0F8200	ORA	5	13.7		WIDEN OFF-RAMP AT THE TERMINAL (ADDONE LANE) IN MISSION VIEJO S/B OFF-RAMP TOCROWN VALLEY PARKWAY	Oso Creek		DSA	7/1/07	8/1/08	5/1/09	7/1/11
19	A	0F960K	ORA	5	0		CONSTRUCT HOV LANES IN SJC & SAN CLEMENTE FROM COUNTYLINE TO CAMINO LAS RAMBLAS/SR-1	Prima Deshecha, Segunda Deshecha Creek		DSA	10/1/08	8/1/11	5/1/12	12/1/13
20	A	0G200K	ORA	5	12.8		RECONSTRUCT I-5/AVERY PARKWAY INTERCHANGE IN MISSION VIEJO AT I-5 AND AVERY PARKWAY	Oso Creek		DSA	10/1/08	10/1/11	7/1/12	8/1/13
21	B	0G7300	ORA	5	6.1		"PROVIDE ENHANCED GORE PAVING, ROCK"BLANKET AND ACCENT PLANTING "IN SAN JUAN CAPISTRANO, DANA POINT," "LAGUNA NIGUEL, MV,	San Juan Creek		DSA, 303d	8/1/05	8/1/06	3/1/07	3/1/08

Table 5–1: District 12 Anticipated Project Development/Construction Schedule

No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted by Project	Land Disturbance Acreage	Criteria**	Anticipated Project Delivery Schedule		Construction Period	
											PA&ED Date	PS&E Date	Start Date	Completion Date
							LH, LF, IRVINE,"TUSTIN AND SANTA ANA FROM CALLEJUANITA TO 4TH STREET (PORTION)							
22	D	0G8001	ORA	5	11.1		EXTEND EXISTING CONCRETE V-DITCH &CONNECT TO EXISTING 4'X 2' RCB @BOTTOM OF RAMP IN JUAN CAPISTRANO SB I-5 JUNIPEROSERRA OFF-RAMP	Trabuco Creek		DSA	6/1/04	10/1/04	6/1/06	9/1/06
23	B	0G9301	ORA	5	5.1		"CONSTRUCT TWO SOUNDWALLS (1,805 LF) NB I-5 FROM AVENIDA VAQUERO TO THESOUTHERN LIMITS OF THE SAN CLEMENTEHOSPITAL IN SAN CLEMENTE	Prima Deshecha, Segunda Deshecha Creek		DSA	12/15/04	9/1/06	4/1/07	9/1/07
24	B	0G9401	ORA	5	1.3		CONSTRUCT TWO SOUNDWALLS (660 LF) SB I-5 FROM EL CAMINO REAL TOAVENIDA RAMONA IN SAN CLEMENTE	Prima Deshecha, Segunda Deshecha Creek		DSA	8/5/04	9/1/06	4/1/07	9/1/07
25	B	0H021K	ORA	5	16.5		CONSTRUCT TWO ADDITIONAL LANES @I-5/LA PAZ RD U/C ADD ONE ADD'L LANEAT SB OFF-RAMP TO LA PAZ RD ETC IN LAGUNA HILLS	Oso Creek		DSA	12/1/05	3/1/07	8/1/07	12/1/07
26	A	0H0221	ORA	5	2.2		REPAIR EXISTING DRAINAGE FACILITIESREPLACE 54'OF NCRETE DITCH AND"EXTEND RCP & CONNECT 36"" RCP" IN SanCEMENTE NB I-5 PRESIDIO OFFRAMP	Prima Deshecha, Segunda Deshecha Creek		DSA	3/1/06	3/1/06	6/1/06	9/1/06
27	B	0H2140	ORA	5	10		REMOVE AND REPLACE	Trabuco		DSA	9/1/05	6/1/06	12/1/06	9/1/07

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											PA&ED Date	PS&E Date	Start Date	Completion Date
							DAMAGED SLOPEEMBANKMENT IN CITY OF SAN JUAN CAPISTRANO	Creek						
28	A	0A9400	ORA	73	9.6		ADDITION OF UP TO TWO LANES IN EACHDIRECTION DIRECT CONNECTOR AND DROP RAMP IN SANJUAN CAPISTRANO FROM I-5 TONB JAMBOREE	San Diego Creek, Aliso Creek, Laguna, Creek		DSA	2/1/15	10/1/15	8/1/16	10/1/16
29	C	0C9831	ORA	73	16.3	22.5	"REPAIR, REPLACE, MONITOR COMPOST*STORM WATER FILTERS AT SITES 765 &1080 IN ORANGE COUNTY	Laguna Creek, Aliso Creek		DSA, Retro	5/1/05	10/1/05	8/1/06	1/1/07
30	D	0C9841	ORA	73	16.8		CONSTRUCT NINE EXISTING COMPOSTSTORM WATER FILTERS (CFS) AT SITES*789L, 1075L, 1133L IN ORANGE COUNTY	Laguna Creek, Aliso Creek		DSA, Retro	6/30/03	4/19/05	12/1/05	9/1/06
31	D	0E920K	ORA	73	18.3		DEVELOP SAFETY ROADSIDE REST FORTRUCK PARKING IN COUNTY OF ORANGE NEAR LAGUNA BCHRTE 73 IN VICINITY OF CATALINA TOLL	Laguna Creek		DSA	4/1/01	2/1/06	4/1/06	10/1/07
32	D	0G6000	ORA	73	10.2		HIGHWAY PLANTING ENHANCEMENT ON RTE 73, FR 5/73 IC TO 55/73 IC"RTE 133 ALTON PKWY TO TRABUCO RD (PM 8.8/10.9) RTE 5 FR BARRANCA PKWY TO SAND CYN RD (PM 22.5/24.3)	Laguna Creek		DSA	8/1/04	8/1/05	10/1/05	10/1/06
33	D	043200	ORA	74	13.3		WIDEN RDWY FROM RIV CO LINE TO 4.8 KM WESTERLY	San Juan Creek		DSA, 401	7/1/04	7/1/05	1/1/07	9/1/10
34	D	086900	ORA	74	1		WIDEN EXIST 2 LANE RDWY TO	San Juan		DSA	5/1/03	10/1/05	8/1/08	2/1/11

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											PA&ED Date	PS&E Date	Start Date	Completion Date
							4 LANES IN S J CAPISTRANO FROM CALLE ENTRADERO TO 0.43 KM EAST OF LA PATA AVE	Creek						
35	C	0E310K	ORA	74	0		RECONSTRUCT IC AT SR-74 IN SAN JUAN CAPISTRANO FROM I-5/EAST CITY LIMIT	San Juan Creek		DSA	7/1/07	7/1/09	10/1/09	7/1/12
36	D	0G6300	ORA	74	5.2		PLACE SOFT BARRIER AND RESTORE SHOULDERS IN ORANGE COUNTY FROM CONCROCK PLANT ENTRANCE TO SAN JUAN ROAD OTEGA HWY	San Juan Creek		DSA	3/10/05	9/1/04	12/1/05	7/1/07
37	D	0A0400	ORA	133	3.4		ROADWAY WIDENING LAGUNA BEACH ON LAGUNA CANYON RD FROM TORO RD TO RTE 73 (SJHTC)	Laguna Creek			4/1/05	9/1/05	6/30/06	8/1/07
38	D	1072E1	ORA	133	4.1		WETLAND MITIGATION IN LAGUNA BEACH AND IRVINE FROM RTE 405 AND 133 SEPARATION	Laguna Creek		DSA	6/1/01	7/1/05	1/1/06	11/1/09
39	D	1072U1	ORA	133	4.2		WIDEN AND REALIGN HIGHWAY IN ORANGE COUNTY IN LAGUNA BEACH AND IRVINE FROM ROUTE 73 AND 133 SEPARATION TO 0.5 KM SOUTH OF ROUTE 405 AND 133 SEPARATION	Laguna Creek		DSA	6/7/01	5/9/02	12/16/02	2/1/07
40	B	0F000K	ORA	241	0		PROVIDE IMPROVED DRAINAGE FACILITY "IN ORANGE COUNTY, ON STATE RTE 241/"73 AT VARIOUS LOCATIONS"SR-241 (PM 31.35/31.69, 36.848/38.00)"SR-73 (PM 13.496)	Trabuco Creek		DSA	7/1/06	1/1/08	9/1/09	10/1/11

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No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted by Project	Land Disturbance Acreage	Criteria**	Anticipated Project Delivery Schedule		Construction Period	
											PA&ED Date	PS&E Date	Start Date	Completion Date
41	B	0G0120	ORA	241	18.5		FTC SOUTHBOUND WIDENING ADD ONE LNSB FR TRABUCO CREEK BRIDGE TO N OFBAKE PKWY & REESTABLISH NB AUX "IN MISSION VIEJO, LAKE FOREST AND"RANCHO SANTA MARGARITA	Trabuco Creek		DSA	6/1/05	4/1/06	9/1/07	3/1/09
42	B	111020	ORA	241	0		FOOTHILL TRANS CORRIDOR (SOUTH) FOOTHILL TRANSP CORRIDOR (SOUTH) FROM RTE 5 TO OSO PKWY	Trabuco Creek, Canada Chiquita Creek, San Juan Creek, San Mateo Creek		DSA, 401	1/1/06	10/1/07	8/1/08	7/1/13

Table 5-1 Legend

*SWMP Category is defined in Statewide Storm Water Management Plan (SWMP) Section 4.4.1, Table 4-3,

- (A) Beginning of project development process prior to approval of the PSR (Project Study Report)
- (B) PSR approved, but environmental documents are not final
- (C) Environmental documents final
- (D) Environmental documents final, designs complete and project in the construction phase of project delivery

Note: The most updated SWMP is dated insert new SWMP date. Therefore, the SWMP Categories A, B, C, and D are selected for the projects between the five years period of Year to Year from PID to CCA.

**Criteria:

- DSA = Disturbed Soil Area is greater than 5 acres
- 303d = 303(d) listed water body within project limits and affected by project
- 401 = 401 Certification/waiver required
- HR = High Risk (Project limit within a high-risk area)
- Key:
- EA = Expenditure Authorization
- CO-RTE-PM = County / Route / Post Mile
- SWPPP / WPCP = Storm Water Pollution Prevention Plan / Water Pollution Control Program
- Water Body = Water body impacted by project
- RB = Regional Water Quality Control Board
- PID = Project Initiation Document
- PAED = Project Approval / Environmental Document
- PS&E = Plans, Specifications, and Estimates
- RTL = Ready to List
- CCA = Construction Completion Acceptance
- SEP = Supplemental Environmental Project
- Retro = Storm Water Retrofit Project (SWMP Section 4.4.2)

Note: All projects that do not require a SWPPP will require a WPCP.

Table 5–2: District 12 Anticipated Maintenance Activities and Other Management Practices

Significant Road Maintenance Activities (1)							
County	Route	PM	Description	Water Bodies Affected	Criteria (2)	Start Date	Completion Date
Maintenance Facility and Activity Inspections							
The Maintenance facility supervisor inspects District 12 Maintenance facilities weekly. Per the requirements of the SWMP, the District 12 Maintenance Storm Water Coordinator will review at least 20% of District 12's facilities each year (Section 5.6).							
Maintenance Facility BMP Improvements							
NONE							
Maintenance BMP Actions/Modifications							
NONE							
Vegetation Management and Vegetated Slope Management							
<p>The District's Vegetation Control Plan (VCP) for FY 2006-2007 is under development. The goal of the District's 2006-2007 VCP is to minimize the discharge of chemicals to receiving waters by reducing chemical use for vegetation control. The district VCPs are under development at this time. They include the following:</p> <ul style="list-style-type: none"> • Type of chemical to be applied • Applications locations, widths, total acres applied, frequency, amount totals • Reason for application 							

Table 5-2 Legend

- (1) Significant road maintenance activities includes projects involving grade changes, additional hydraulic capacity, direct discharges to surface waters, increases in impervious surface area, or other activities identified or agreed to between RWQCB and Department staff.
- (2) Criteria:
 - 401 = 401 Certification/Waiver required
 - DSA = Disturbed Soil Area is greater than one (1) acre
 - 303d = 303 (d) listed water body within project limits and affected by project
 - 401 = 401 Certification/Waiver required
 - SEP = Supplemental Environmental Project
 - Retro = Storm Water Retrofit Project
 - HR = Project limits within High Risk Area
 - RB = RWQCB designated project as a potential threat to water quality

Table 5–3: District 12 General Management Practices

Monitoring Activities
<ul style="list-style-type: none">• Monitoring activities will be conducted in accordance with the statewide program described in the Storm Water Monitoring Plan FY06/07.• On going BMP research and monitoring is being conducted at various sites along SR-73.
Construction Compliance Monitoring Program
<ul style="list-style-type: none">• Construction activities are inspected through the Construction Compliance Monitoring Program. Monitoring results are provided in the annual report.• The District Construction Storm Water Coordinator prior to start of construction will review Storm Water Pollution Prevention Plans (SWPPPs) for Caltrans Construction projects.• Notification of Construction (NOC) forms will be completed and submitted to the Santa Ana RWQCB 30 days prior to the start of construction for projects that disturb more than 1 Acre (0.4 Hectares) or require a SWPPP• Notice of Completion of Construction (NCC) forms will be submitted when a construction project is complete. NCC forms will be submitted when the soil stabilization of the project meets the requirements of the General Construction Permit.
Training and Public Outreach
<ul style="list-style-type: none">• District 12 will be involved in the Annual Children's Water Education Festival hosted by the Orange County Water District and Disneyland. Members of the District 12 Storm Water Program address the various issues in storm water pollution prevention to over 5,000 elementary school children.• District 12 will be training Planning and Design staff on the updates to the Project Planning and Design Guide (PPDG, July 2005). The PPDG is a guidance manual that will assist Caltrans staff on the decision and selection of BMPs for all projects in the planning and design phase.• Maintenance staff guidance materials provide direction, guidance, policies and procedures for all maintenance activities. The guidance materials used regularly in tailgate training of Maintenance staff as they begin an activity. First Responder Awareness training is consistently provided for all maintenance and shop personnel. This training emphasizes the 3-D approach- divert, dike, and dam- so that spills seldom approach highway drainage courses. Emergency response contractors are on call for cleanup around the clock according to the districts hazardous material spill contingency plan. Maintenance staff will also be provided the Maintenance Storm Water Training.• Training courses in the following areas are anticipated by Construction Storm Water - Inspector training: One session, RE Training: One session, SAP training: One session, Dewatering Training: One session, Field Training: Two sessions, Advanced BMPs: Two sessions, RE Refresher Course: One Session, Inspector Refresher Course: One Session New Caltrans Permit, New Construction Permit, New SWMP, Various In-State Conferences and Training by IECA, and any additional training required by renewed permit.

Table 5–3: District 12 General Management Practices

Municipal Coordination
<ul style="list-style-type: none">• The County of Orange, the Orange County Flood Control, and 25 of the 33 Orange County cities are co-permittees on a municipal NPDES Permit with the Santa Ana RWQCB. Newly incorporated cities will be added as Orange County co-permittees. The County of Orange and its co-permittees host Technical Advisory Committee (TAC) meetings as well as co-permittee meetings. The District 12 Storm Water Coordinator will attend Orange County TAC meetings and maintain a continuous exchange of information.• District 12 personnel will attend Areas of Special Biological Significance (ASBS) workshops as needed for coordination on requirements.• District 12 personnel will attend Total Maximum Daily Load (TMDL) workshops as they are announced for TMDLs where the Department has been identified as a potential Stakeholder.
TMDL Coordination
District 12 is and will continue to coordinate with various Stakeholders (including County of Orange and affected Cities) and Regional Board on issues pertaining to the San Diego Beaches Bacteria TMDLs.
Storm Water Data Report (SWDR)
In compliance with the Statewide Design Compliance Monitoring program, the District prepares SWDRs for all projects. Designers evaluate all projects for opportunities to include permanent Best Management Practices (BMPs) in accordance with design guidelines.
Encroachment Permit
The District exercises its authority to enforce storm water requirements by imposing conditions in the encroachment permit. Permit inspectors visit the site to assure that conditions of the permit are addressed in the field.